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Shortcomings which prevent us from achieving a complex mechanization of earthwork.

P. 114 (Mechanisace) Vol 4, No. 4, Apri 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN. 1958

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ZAORAL, A. Organizing units of workers for mechanized earthwork. p. 101

Vol. 4, no. 3, Mar. 1956
POZEMNI STAVBY
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So: East European Accession Vol. 6, No. 2, 1957

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New pay-scale revision for railroads. p. 278.
ZELEZNICE, Prague, Vol. 4, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

[illegible], M.

Some problems of houses for fulfillment of the plan. p. 69.
ZPRAVODAJ. (Ministerstvo dopravy). Praha. Vol. 6, No. 3,
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"Mechanization in the shoe industry."

KOZARSTVI, Praha, Czechoslovakia, Vol. 9, No. 3, March 1959.

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Unclassified.

ZADRAL, J.

"A last for the automation of shoe production."

p. 147 (Kozarstvi) Vol. 6, no. 8, Aug. 1956
Prague, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

CA

Terpenes. LXIII. The composition of oil of carrot (Daucus carrota). F. Sörm, M. Zaoral, J. Arient, J. Pliva and V. Herout (Central Chem. Research Inst., Prague). *Collection Czech. Chem. Communs.* 16, 47–56(1951); cf. *C.A.* 46, 474h.—Oil of carrot, d_4^{20} 0.8385, n_D^{20} 1.4635, $[\alpha]_D^{20}$ −17.8°, of Dutch origin, was fractionated by means of a 40 theoretical-plate column and the fractions obtained subjected to repeated chromatographic sepn. Its qual. compn., as detd. by infrared examn. and the prepn. of various derivs., showed that carotol was the principal component of the oil; α- and probably β-pinene, dipentene, p-cymene, carvone, geranyl acetate, β-caryophyllene, bergamotene, and bisabolene were other components; a sesquiterpene aldehyde, $C_{15}H_{24}O$, was also isolated. The highest-boiling fractions contained a mixt. of diterpenic hydrocarbons and daucol.

W. M. Potts

SORM, F.; ZAORAL, M.; HEROUT, V.

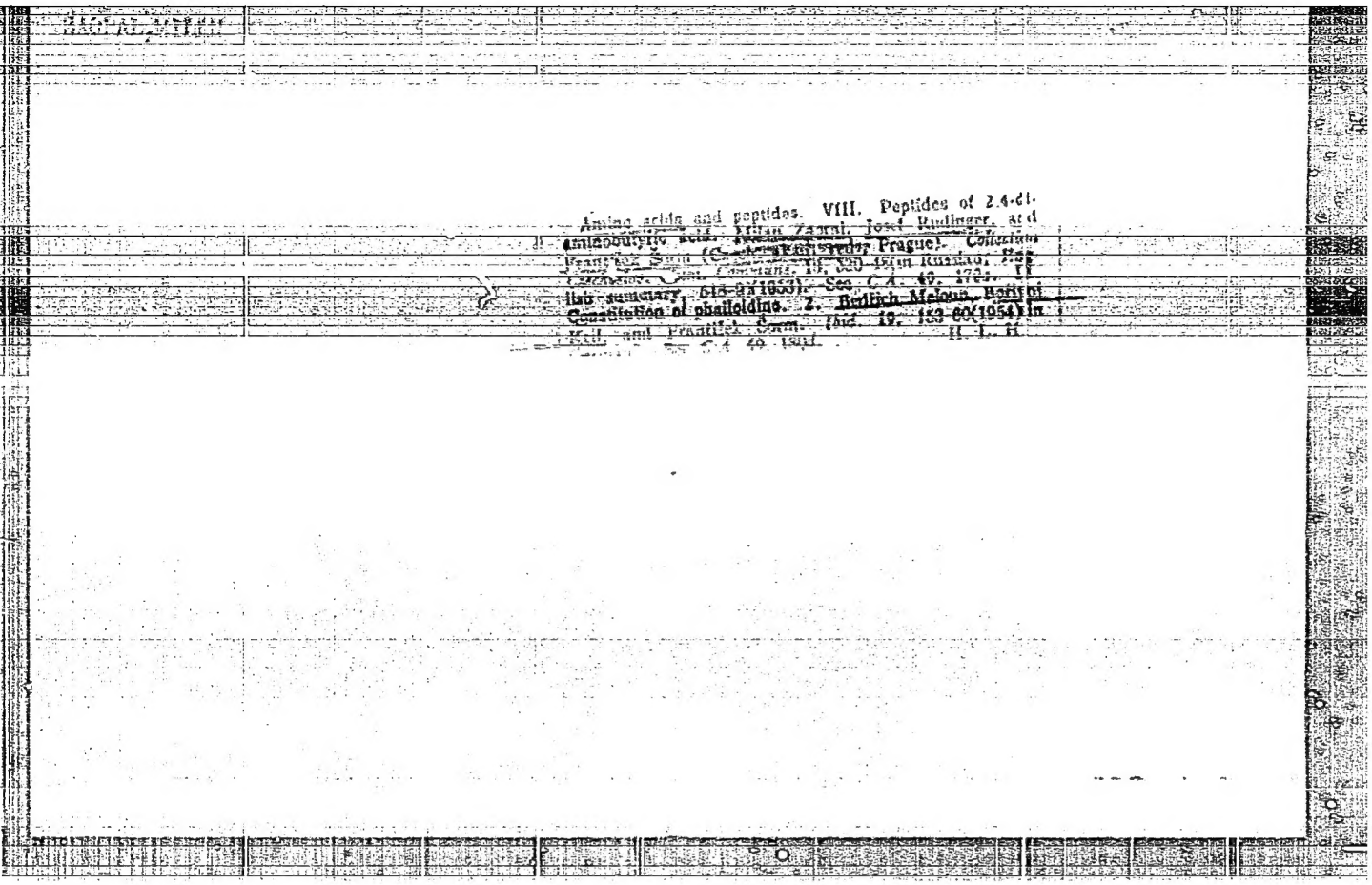
On terpenes. Part 38. On the constitution of natural bisabolol and bisabolol monoxide from matricaria oil [with summary in English]. Sbor.Chekh.khim.rab. 18 no.1:116-121 F '53. (MLRA 7:6)

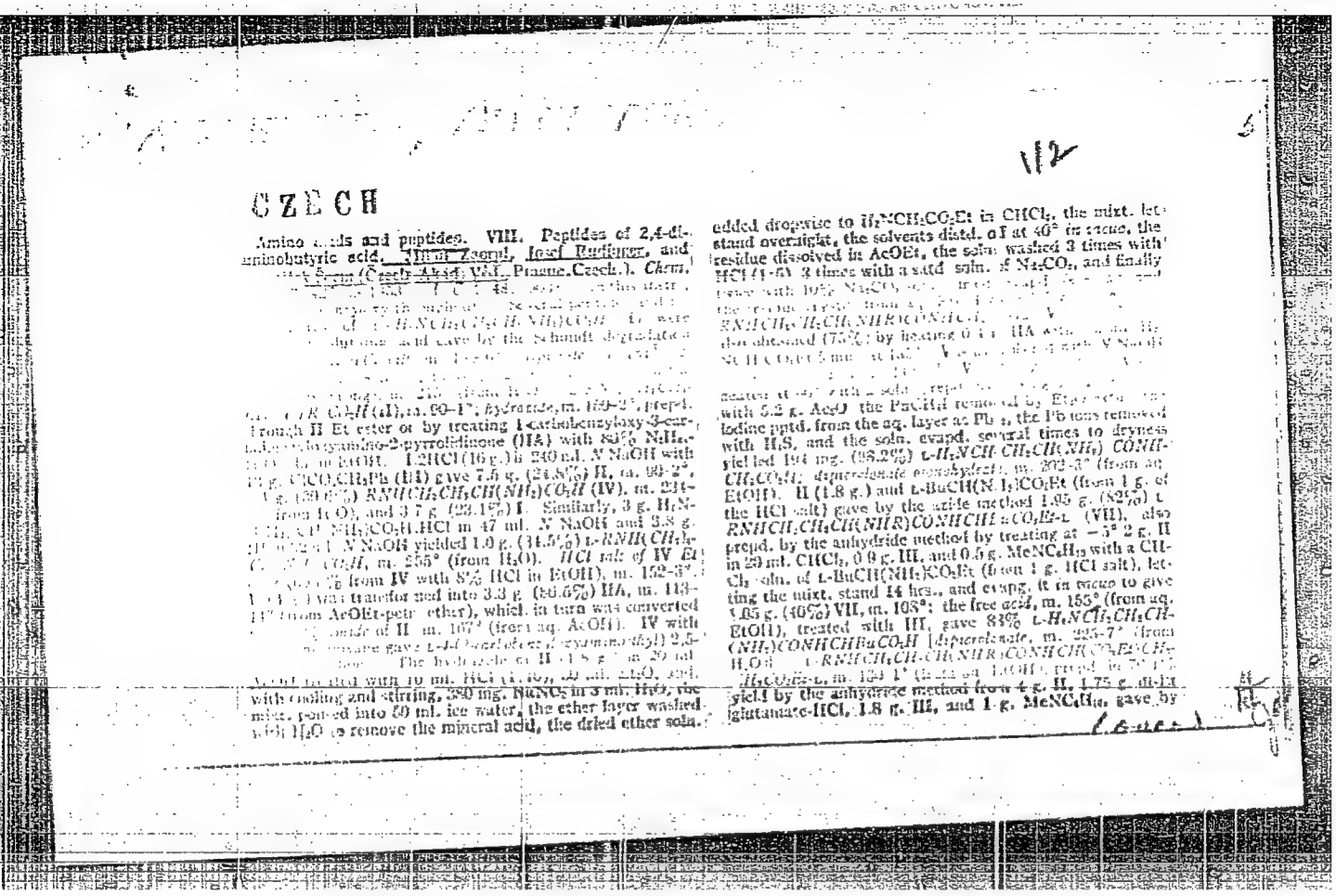
1. Central Chemical Research Institute, Prague.
(Bisabolol) (Matricaria oil)

HEROUT, V.; ZAORAL, M.; SORM, F.

On terpenes. Part 39. Synthesis of two tetrahydrobisabolols [with summary in English]. Sbor.Chekh.khim.rab. 18 no.1:122-126 F '53. (MLRA 7:6)

1. Central Chemical Research Institute, Prague.
(Bisabolol) (Matricaria oil)





CZECH

Amino acids and peptides. VIII. Peptides of 2,4-diaminobutyric acid. [illegible] Zaoral, Josef Rudinger, and [illegible] (Czech. Akad. Věd., Prague, Czech.). *Chem.* [illegible]

[illegible] $H_2NCH_2CH_2CH(NH_2)CO_2H$ [illegible] acid gave by the Schmidt degradation [illegible] $CH_2CH_2CH(NH_2)CO_2H$ (II), m. 210° (from [illegible]). Prepd. through II Et ester or by treating 1-carbobenzyloxy-3-carbethoxy-4-aminopyrrolidinone (IIA) with 85% NaH in EtOH. 1.2HCl (16 g.) in 240 ml. *N* NaOH with [illegible] $CH_2CO_2CH_2Ph$ (III) gave 7.5 g. (24.8%) II, m. 98–9°, [illegible] (39.6%) *RNHCH*$_2$*CH*$_2$*CH*(*NH*$_2$)*CO*$_2$*H* (IV), m. 234° (from H_2O), and 3.7 g. (22.1%) I. Similarly, 3 g. H_2N-$CH_2CH(NH_2)CO_2H$.HCl in 47 ml. *N* NaOH and 3.8 g. [illegible] *N* NaOH yielded 1.0 g. (31.5%) *L-RNH*(*CH*$_2$)$_3$-*CO*$_2$*H*, m. 255° (from H_2O). *HCl salt of* IV *Et* [illegible] % from IV with 8% HCl in EtOH), m. 152–3°, [illegible] was transformed into 3.3 g. (80.6%) IIA, m. 113–14° (from AcOEt-petr. ether), which in turn was converted [illegible] amide of II, m. 167° (from aq. AcOH). IV with [illegible] gave *L-H*[illegible] The hydrazide of II [illegible] g. in 20 ml. [illegible] treated with 10 ml. HCl (1:1), 30 ml. H_2O, and, with cooling and stirring, 350 mg. $NaNO_2$ in 3 ml. H_2O, the mixt. poured into 50 ml. ice water, the ether layer washed with H_2O to remove the mineral acid, the dried ether soln. added dropwise to $H_2NCH_2CO_2Et$ in $CHCl_3$, the mixt. let stand overnight, the solvents distd. off at 40° in vacuo, the residue dissolved in AcOEt, the soln. washed 3 times with HCl (1:5), 3 times with a satd. soln. of Na_2CO_3, and finally [illegible] with 10% Na_2CO_3 [illegible] *RNHCH*$_2$*CH*$_2$*CH*(*NHR*)*CONHCH*$_2$*CO*$_2$*Et*. [illegible] dehydrated (75%) by heating 0.1 g. IIA with [illegible] *N* NaOH [illegible] NaOH (5 ml.) [illegible] with 5.2 g. Ac_2O the $PtCl_4$ removed by Et_2O [illegible] iodine pptd. from the aq. layer as PbI$_2$, the Pb ions removed with H_2S, and the soln. evapd. several times to dryness yielded 194 mg. (96.2%) *L-H*$_2$*NCH*·*CH*$_2$*CH*(*NH*$_2$)·*CONH*-*CH*$_2$*CO*$_2$*H*, *dipicrolonate monohydrate*, m. 202–3° (from aq. EtOH). II (1.8 g.) and *L-BuCH*(*NH*$_2$)*CO*$_2$*Et* (from 1 g. of the HCl salt) gave by the azide method 1.05 g. (82%) *L-RNHCH*$_2$*CH*$_2$*CH*(*NHR*)*CONHCH*[illegible]*CO*$_2$*Et*, (VII), also prepd. by the anhydride method by treating at −5° 2 g. II in 20 ml. $CHCl_3$, 0.9 g. III, and 0.5 g. $MeNC_5H_{10}$ with a CH_2Cl_2 soln. of *L-BuCH*(*NH*$_2$)*CO*$_2$*Et* (from 1 g. HCl salt), letting the mixt. stand 14 hrs., and evapg. it in vacuo to give 1.85 g. (40%) VII, m. 108°; the free *acid*, m. 155° (from aq. EtOH), treated with III, gave 84% *L-H*$_2$*NCH*$_2$*CH*$_2$*CH*-(*NH*$_2$)*CONHCHBuCO*$_2$*H* [*dipicrolonate*, m. 225–7° (from H_2O)]. *L-RNHCH*$_2$*CH*·*CH*$_2$*NHR*·*CONHCH*(*CO*$_2$*Et*)*CH*$_2$-CH_2CO_2Et-*L*, m. 134.5° (from aq. EtOH), prepd. in 70% [illegible] yield by the anhydride method from 4 g. II, 1.75 g. di-H glutamate-HCl, 1.8 g. III, and 1 g. $MeNC_5H_{10}$, gave by

Mil nd Zaoral

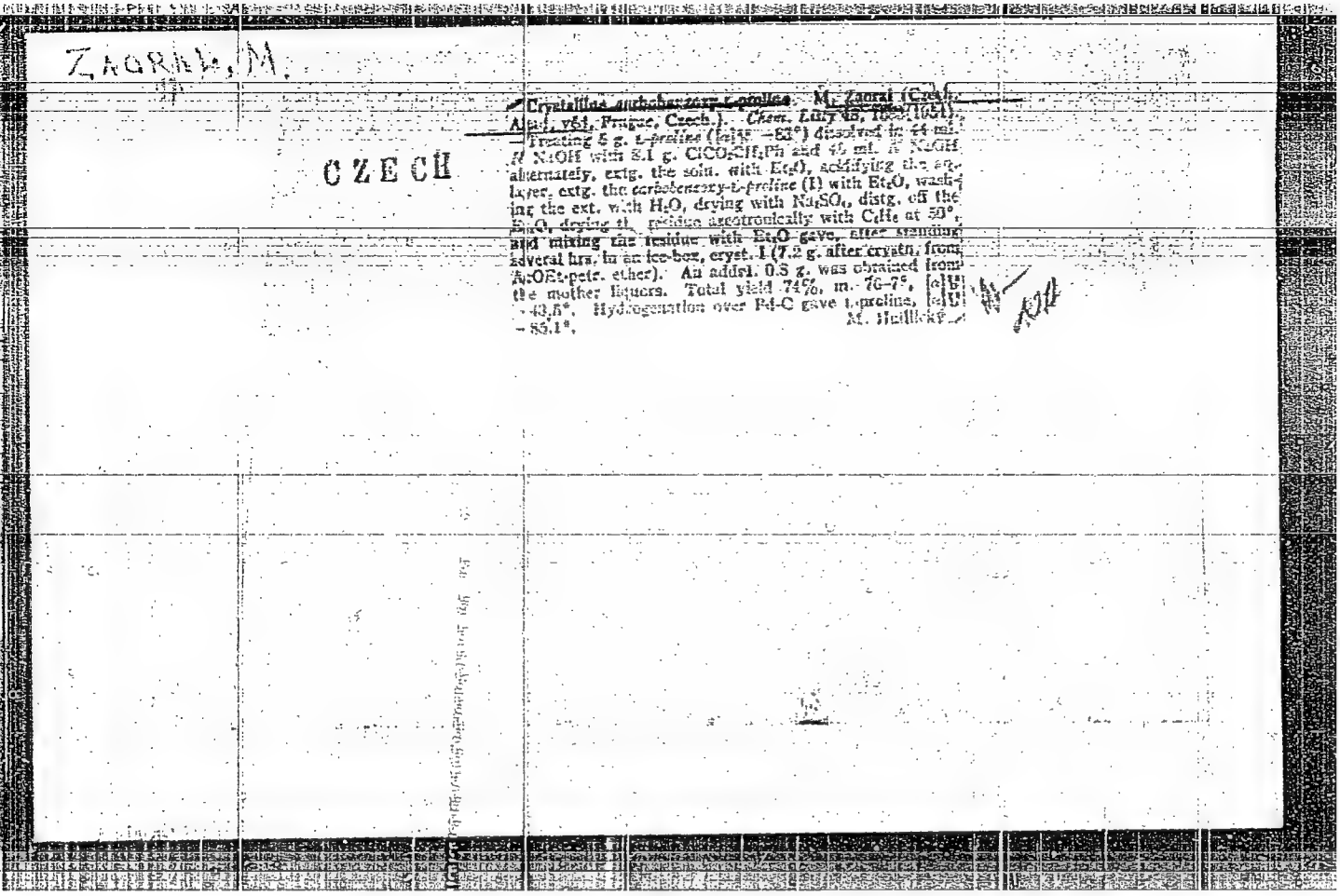
... 71. *Dicarbobenzyloxydipeptide*, m. 160-60° (from aq. EtOH), from which was obtained 91.1% L-2,4-*diamino-butyryl-L-glutamic acid monohydrate*, m. 192-3° (from aq. EtOH). L-$RNHCH_2CH_2CH[NHCOCH(NHR)CH_2CH_2NHR$-L]$CO_2Et$, m. 140-2° (from aq. EtOH), prepd. in 61.8% yield by the azide method and in 56.2% yield by the anhydride method, was hydrolyzed quantitatively to the free ... (from H_2O); *rufianate*, m. 256-7° (from H_2O). The ... (from H_2O) ... L-$RNHCH_2CH_2CH(NHCOCH_2NHR$-L)$CO_2Et$ ... prepd. by the anhydride method was hydrolyzed to ... m. 140-3° (from aq. EtOH), which, hydrogenated in AcOH over Pd-C, gave 91% L-$H_2NCH_2CH_2CH$-($NHCOCH_2NH_2$)CO_2H *rufianate*, m. 213-15° (decompn.). ... which with HI gave 87.5% ... m. ... (from H_2O)]. $RNHCH_2CH_2CH[NHCOCH_2NHR$)-... CO_2Et, m. 160° (from aq. EtOH), prepd. in 45.5% yield, was saponif. to 84.5% free acid, m. 177-8° (from EtOH), and decarbobenzyloxylated to L-H_2NCH_2... $NHCOCH(NH_2)CH_2CH_2CO_2H$ ... decompg. ... V was transformed with $N_2H_4.H_2O$ to 77% L-RNH- ... $CH(NHR)CONHCH_2CONHNH_2$, m. 178-9° (from aq. AcOH), which by the azide synthesis yielded 60.5% L-$RNHCH_2CH_2CH[NHCOCH_2NHCOCH(NHR)CH_2CH_2NHR$-L]$CO_2Et$, m. 151-3° (from AcOEt-petr. ether). This was transformed to 92% corresponding *hydrazide*, m. 202-3° (from aq. AcOH), which with $H_2NCH_2CO_2CH_2Ph.HCl$ gave 44.5% L-$RNHCH_2CH_2CH[NHCOCH_2NHCOCH(NHR)CH_2CH_2NHR$-L]$CONHCH_2CO_2CH_2Ph$, m. 203-5° (from aq. AcOH). Decarbobenzyloxylation by hydrogenation in AcOH on Pd-C liberated 75% L-$H_2NCH_2CH_2CH(NHCOCH_2NHCOCH(NH_2)CH_2CH_2NH_2$-...)$CONHCH_2CO_2H$ *rufianate*, m. 215-17° (from H_2O). IV (1 g.) in 10 ml. $CHCl_3$ ... with $H_2NCH_2CO_2CH_2Ph$ ... CO_2H) in 15 ml. $CHCl_3$ gave L-... $CH_2N(CO)_2C_6H_4$-o]$CONHCH_2CO_2CH_2Ph$, m. 230-1° (from aq. AcOH); Et ester, prepd. similarly in 41.5% yield, m. 108-9° (from aq. AcOH). IX. Constitution of phalloidin. Z. ... Melcoun, ... Keil, and František Šorm (Czech. Akad. Věd, Prague, Czech.). *Chem. Listy* 47, 1501-10(1953); cf. *C.A.* 47, 3237*h*.—New expts. with *phalloidin* show the sequence of ... in the mol. The following ... the structure of phalloidine are suggested:

OT = hydroxytryptophanyl, TH = threonyl, CY = cysteinyl, AL = alanyl, OP = hydroxyprolyl. The dotted lines show the possible S bridges. *Hydroxytryptophan*, m. 242°, R_f H_2O 0.70, BuOH-AcOH-H_2O (4:1:5) 0.34, PhOH contg. 25% H_2O 0.85, BuOH-EtOH-H_2O (4:1:5) 0.48. ... M. Hudlický

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001963810007-6"

ZAORAL, M.

Dehydrohalogenation of halo compounds on activated alkaline aluminum oxide. M. Zaoral (Czech. Akad. Věd, Prague, Czech). *Chem. Listy* 47, 1872-3(1953).—During the passage through a chromatographic column filled with alk. Al_2O_3 (activity I), dehydrohalogenation of some halogen derivs., especially the tertiary halides, was observed. Hydrohalides of terpenes yielded the original unsatd. hydrocarbons (yield %, d_{20}, n^{20}_D): *limonene* (from tri- hydrocarbons ... from dihydro- hydrochloride), 80, 0.8784, 1.4811; *zingiberene* (from dihydrochloride), 81, 0.9175, 1.5037; *cedrene* (from hydrobromide), chloride), 77, 0.9150, 1.5040. $PhCH_2Br$ yielded 75% $(PhCH_2)_2O$, 88, 0.9892, 1.4970. $C_{10}H_{11}Br$ gave $(C_{10}H_{11})_2O$, 68, m. 55°, d_{20} 1.0400, n^{20}_D 1.5463. M. Hudlický



ZAORAL, M.

CZECH

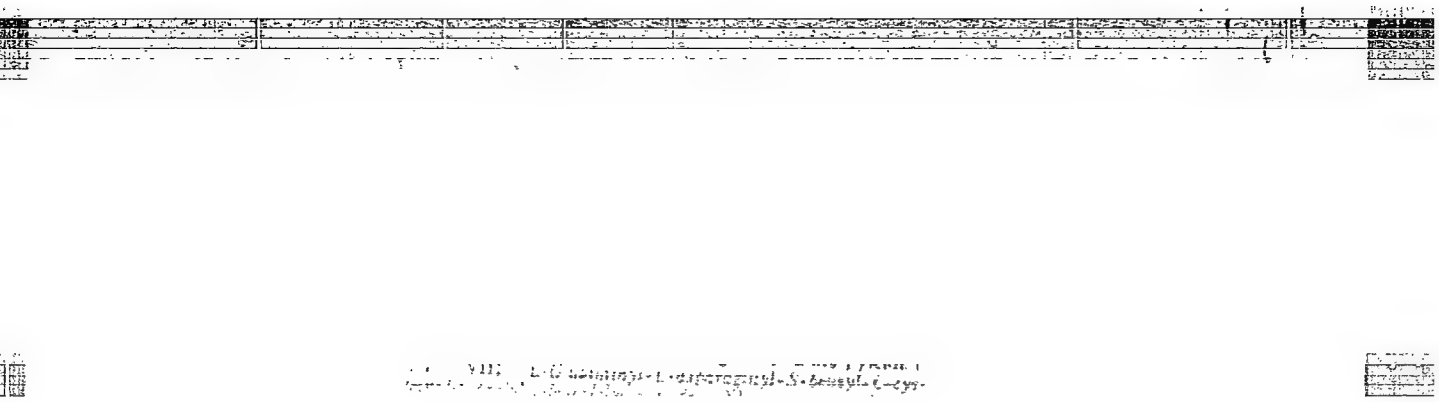
Crystalline carbobenzoxy-L-proline. M. Zaoral (Czech. Akad. Věd, Prague, Czech.). *Chem. Listy* 48, 1666(1954). Treating 5 g. *L-proline* ([α]D −83°) dissolved in 44 ml. 2 *N* NaOH with 8.1 g. $ClCO_2CH_2Ph$ and 42 ml. 2 *N* NaOH alternately, extg. the soln. with Et_2O, acidifying the aq. layer, extg. the *carbobenzoxy-L-proline* (I) with Et_2O, washing the ext. with H_2O, drying with Na_2SO_4, distg. off the Et_2O, drying th. residue azeotropically with C_6H_6 at 50°, and mixing the residue with Et_2O gave, after standing several hrs. in an ice-box, cryst. I (7.2 g. after crystn. from Et_2O-petr. ether). An addnl. 0.8 g. was obtained from the mother liquors. Total yield 74%, m. 76–7°, [α]D −43.6°. Hydrogenation over Pd-C gave L-proline, [α]D −85.1°.

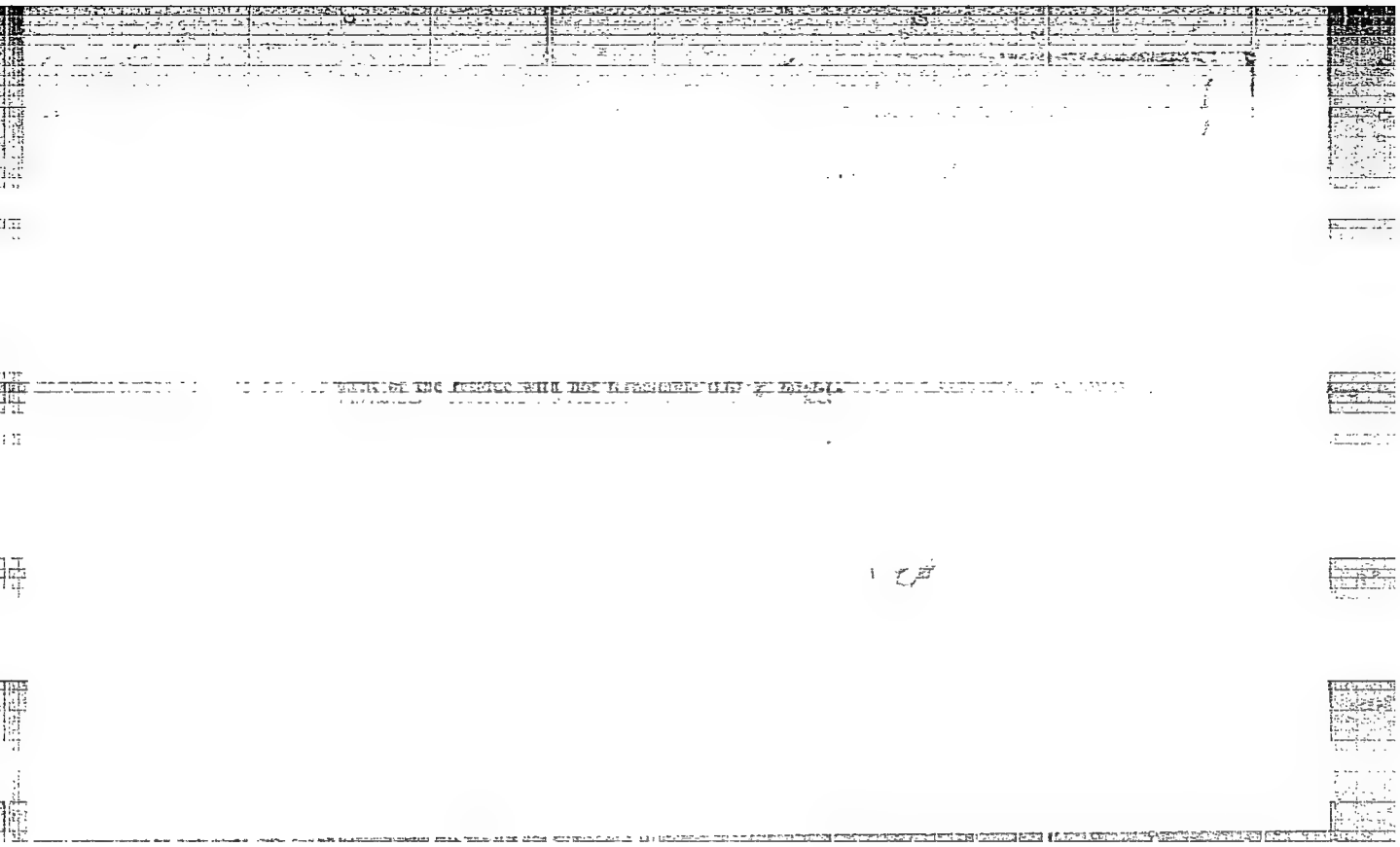
M. Hašlíková

Zaoral, Milan

Syntheses in the oxytocin field. III. An alternative synthesis of oxytocin. Josef Rudinger, Jan Honzl, and Milan Zaoral (Czech. Acad. Sci., Prague). [illegible] (1956); cf. C.A. 50, 4017d.—Tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-L-isoleucyl-L-glutaminyl-L-asparaginyl-S-benzyl-L-cysteinyl-L-prolyl-L-leucylglycinamide (I), m. 242-[illegible], was obtained in [illegible]% yield by coupling in $HCONMe_2$ [illegible] g. carbobenzoxy-L-glutaminyl-L-asparaginyl-S-benzyl-L-cysteinyl-L-prolyl-L-leucylglycinamide (II) with tosyl-S-benzyl-L-cysteinyl-L-tyrosyl-L-isoleucyl azide, prepd. by treating [illegible] mg. hydrazide with 10.6% $NaNO_2$ in a mixt. of AcOH and 2N HCl at −12°. Reduction of I with Na in liquid NH_3 followed by oxidation with air yielded a product showing a high oxytocic activity. A series of peptides was synthesized as follows: II was prepd. (1) by treating a soln. of 0.2 [illegible] S-benzyl-L-cysteinyl-L-prolyl-L-leucylglycinamide (III) and 0.5 g. carbobenzoxy-L-glutaminyl-L-asparagine (IV) in $HCONMe_2$ with 0.55 ml. $[(EtO)_2P(O)]_2O$ at 18-24° for 8 days yielding 0.22 g. cryst. II, m. 209-10° (from aq. AcOH); (2) by adding to a soln. of 0.12 g. carbobenzoxy-L-glutaminyl-L-asparaginyl-S-benzyl-L-cysteine (V) in $HCONMe_2$ at [illegible]° 0.[illegible] ml. 10% soln. of N-ethylpiperidine in toluene, [illegible] ml. 10% soln. of $ClCO_2CH_2CHMe_2$ in toluene, [illegible] g. L-prolyl-L-leucylglycinamide-HBr (VI) in toluene and heating the mixt. to [illegible]°, yielding [illegible] mg. II. For prepn. of III and VI, cf. Z. and R. (C.A. 50, 4017d). IV was obtained by treating aq. soln. of 1.5 g. L-glutaminyl-L-[illegible]

[illegible] with 2.55N.





ZAORAL, M.; SORM, F.

The preparation and certain biological properties of L-DAB^{8} -vasopressin and D-DAB^{8} -vasopressin. Coll Cz Chem 30 no.2:611-612 F '65.

1. Institute of Organic Chemistry and Biochemistry of the Czechoslovak Academy of Sciences, Prague. Submitted November 20, 1964. 2. Advisory Board Chairman, "Collection of Czechoslovak Chemical Communications" (for Sorm).

ZAORAL, M.; PLISKA, V.; REZABEK, K.; SORM, F.

Synthesis of a highly effective analog of lysine-vasopressin.
Coll Cz Chem 28 no.3:746-747 Mr '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, and Research Institute for Pharmacy and Biochemistry, Prague.

ZACRAL, M.; PLISKA, V.; REZABEK, K.; SORM, F.

Synthesis of two lysine-vasopressin analog with protracted hormonal activity. Coll Cz Chem 28 no.3:747-749 Mr '63.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague, and Research Institute for Pharmacy and Biochemistry, Prague.

ZAORAL, M.

Definitive rules for the nomenclature of amino acids, steroids, vitamins and carotenoids. Chem listy 57 no.1:51-56 Ja '63.

ZAORAL, M.; ARNOLD, Z.

N,N-dimethylchloroformiminium chloride as a reagent in peptide synthesis. Coll Cz Chem 27 no.9:2252 S '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague (for Zaoral).

ZAORAL, M.

Aminoacids and peptides. Part 36: Pivaloyl chloride as a reagent in the mixed anhydride synthesis of peptides. Coll Cz Chem 27 no.5:1273-1277 My '62.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

ZACRAL, M.; RUDINGER, J.

Amino acids and peptides. Part 31: Products formed from tosylglycine under conditions of a mixed carbon anhydride synthesis. Coll Cz Chem 26 no.9:2316-2332 '61.

1. Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague.

(Amino acids) (Peptides)

RUDINGER, J.; PODUSKA, K.; ZAORAL, M.

Amino acids and peptides. XXIX. Synthesis of the lower homologues of L-arginine and L-citrulline. Coll Cz Chem 25 no.8:2022-2028 Ag '60. (EEAI 10:9)

1. Department of Organic Synthesis, Institute of Chemistry, Czechoslovak Academy of Science, Prague.

(Amino acids) (Peptides) (Arginine) (Citrulline)

RUDINGER, J.; KRUPICKA, J.; ZAORAL, M.; CERNIK, V.

Amino acids and peptides. XXX. Alkaline hydrolysis of the phthalimido group in phthalylamino acids and their derivatives; a polarographic study. Coll Cz Chem 25 no.12:3338-3343 D '60.
(EEAI 10:9)

1. Department of Organic Synthesis, Institute of Chemistry, Czechoslovak Academy of Science, Prague. 2. Present address: Faculty of Nuclear Physics, Charles University, Prague (for Cernik).

(Amino acids) (Peptides) (Phthalimide)
(Phthalyl amino acids) (Polarograph and polarography)

CZECHOSLOVAKIA

ZAORAL, M; SORM, F

Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Sciences, Prague - (for both)

Prague, Collection of Czechoslovak Chemical Communications, No 1, January 1966, pp 310-314

"Amino acids and peptides. Part 60: Synthesis of d-dab^{8}-vasopressin."

ZACRAL, MILAN

CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring Substnaces and Their Synthetic Analogs E-3

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4571

Author : Zacoral Milan, Rudinger Josef
Title : Amino Acids and Peptides. XVII. Syntheses Pertaining to Oxytocine. I. New Synthesis of the Amide of S-Benzyl-L-Cysteinyl-L-Prolyl-L- Leucylglycine.

Orig Pub : Chem. listy, 1955, 49, No 5, 745-750

Abstract : For a total synthesis of oxytocine a method has been worked out for the preparation of the amide of S-benzyl-L-cysteinyl-L-prolyl-L-leucylglycine and some derivatives of L-prolyl-L-leucine and L-prolyl-L-leucylglycine. The procedure is simpler than that which has been described before (see RZhKhim, 1955, 18883). The authors started with the ethyl ester of carbobenzoxy-L-leucylglycine (I), which was prepared from mixed anhydride (2 g carbobenzoxy-L-leucine, 1.1 g $ClCOOC_4H_9$-secondary

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Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4571

chloroform, -70°, 30 minutes) and chloride of carbobenzoxy-L-proline (from 1.5 g carbobenzoxy-L-proline and 1.3 g PCl_5) (stirred 30 minutes at 0°), yield 45%, MP 147-148° (from ethyl acetate-petroleum ether), the product was not entirely pure. Amide of carbobenzoxy-L-prolyl-L-leucylglycine (V) from 1.9 g IV in 20 ml CH_3OH saturated with NH_3 at 0° (3 days at ~20°), yield 98%, MP 162-163° (alcohol-petroleum ether). Amide of L-prolyl-L-leucylglycine (VI) from the preceding: a) 3.2 g V in 30 ml ethanol with equivalent HCl (H_2, Pd/C), HCl removed NH_3 in $CHCl_3$. Yield of semihydrate 80%, MP 122-123° (from water); b) from V and 15% solution of HBr in glacial CH_3CCOH, 10 minutes, 60°, yield of hydrobromide 85%, MP 191-192°, R_F 0.55 (butanol-water-CH_3CCOH). Amide of Carbobenzoxy-S-benzyl-L-cysteinyl-L-prolyl-L-leucylglycine (VII): a) from semihydrate of VI

CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring Substances and Their Synthetic Analogs E-3

Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4571

(4.5 g carbobenzoxy-L-proline, 2.5 g II and 2.1 g III in 10 ml chloroform) and ethyl ester of L-leucine 2.9 g in 5 ml $CHCl_3$, yield 86%, MP 68-69° (from ethyl acetate-petroleum ether). Hydrazide of carbobenzoxy-L-prolyl-L-leucine (X) from IX (4 g in 10 ml CH_3OH) and $N_2H_4 \cdot H_2O$ (1 ml, 3 days, ~20°), yield 80%, MP 133-135° (from ethyl acetate-petroleum ether). Benzyl ester of carbobenzoxy-L-prolyl-L-leucylglycine from X (2 g in 20 ml 10% HCl under a layer of 30 ml ether) and $NaNO_2$ (400 mg in 3 ml water, 10 minutes stirring while cooling with ice-salt), ether solution added dropwise to benzyl ester of glycine (850 mg in 10 ml $CHCl_3$, 12 hours, ~20°), yield 44%, MP 116-117° (from acetone-petroleum ether). Ethyl ester of tosyl-L-prolyl-L-leucylglycine: to hydrochloride of ethyl ester of L-leucylglycine in $CHCl_3$ (from 6 g I by hydrogenation)

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CZECHOSLOVAKIA/Organic Chemistry - Naturally Occuring Substances and Their Synthetic Analogs E-3

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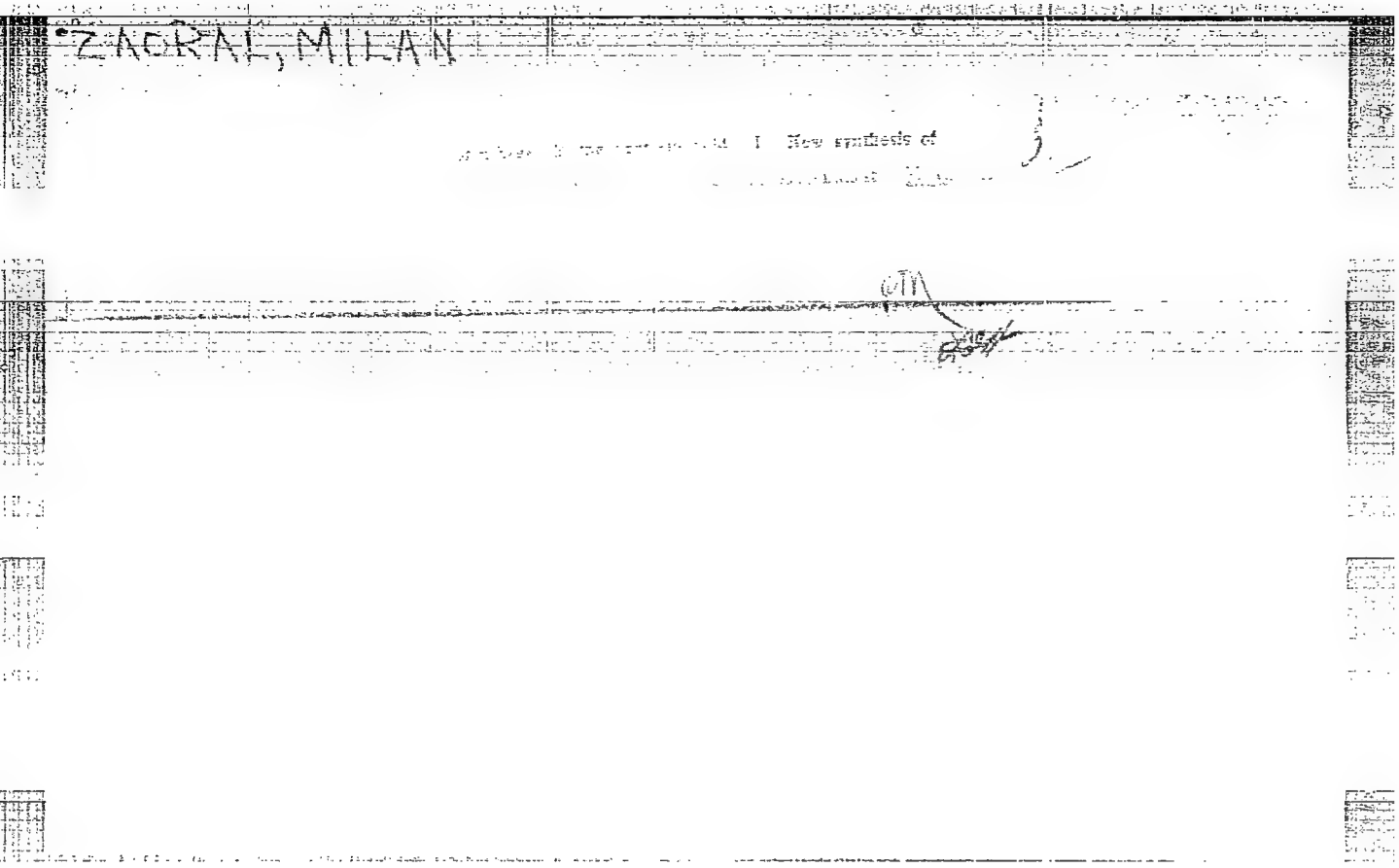
Abs Jour : Referat Zhur - Khimiya, No 2, 1957, 4571

added III (6.2 g, cooled with ice) and chloride of tosyl-L-proline in $CHCl_3$ from (5.2 g tosyl-L-proline and 3.7 g PCl_5) (stirring for 30 minutes at 0°). Residue left on evaporation is extracted with ethyl acetate, yield 77%, MP 145-146° (from ethyl acetate-petroleum ether).

Communication XVI, see RZhKhim, 1956, 36025.

Card 6/6 - 130 -



ZAORAL, M.

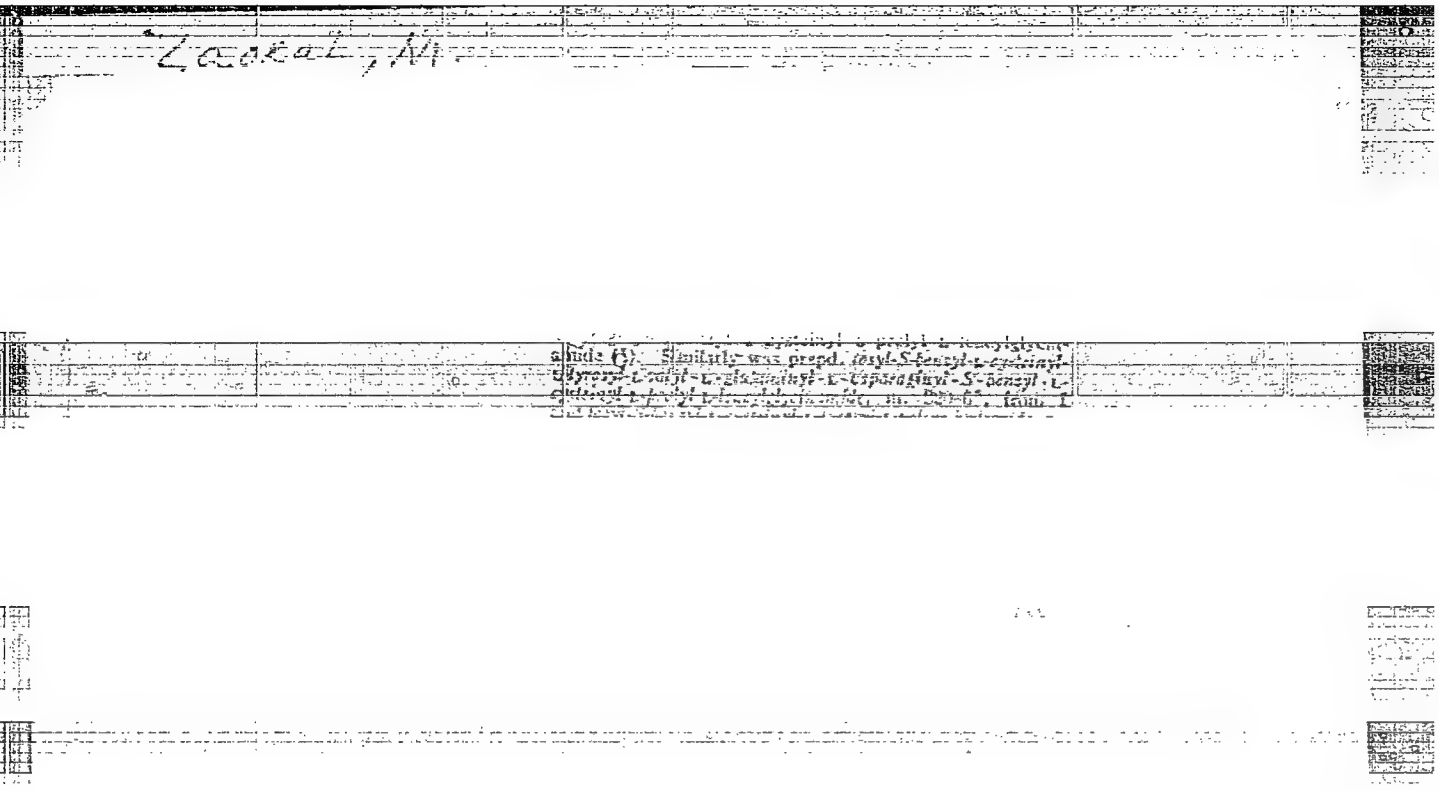
ZAORAL, M. Synthetic studies in the oxytocin field. III. Alternative synthesis of oxytocin. In English. p. 202. Vol. 21, No. 1, Feb. 1956. SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. Praha, CZECHOSLOVAKIA.

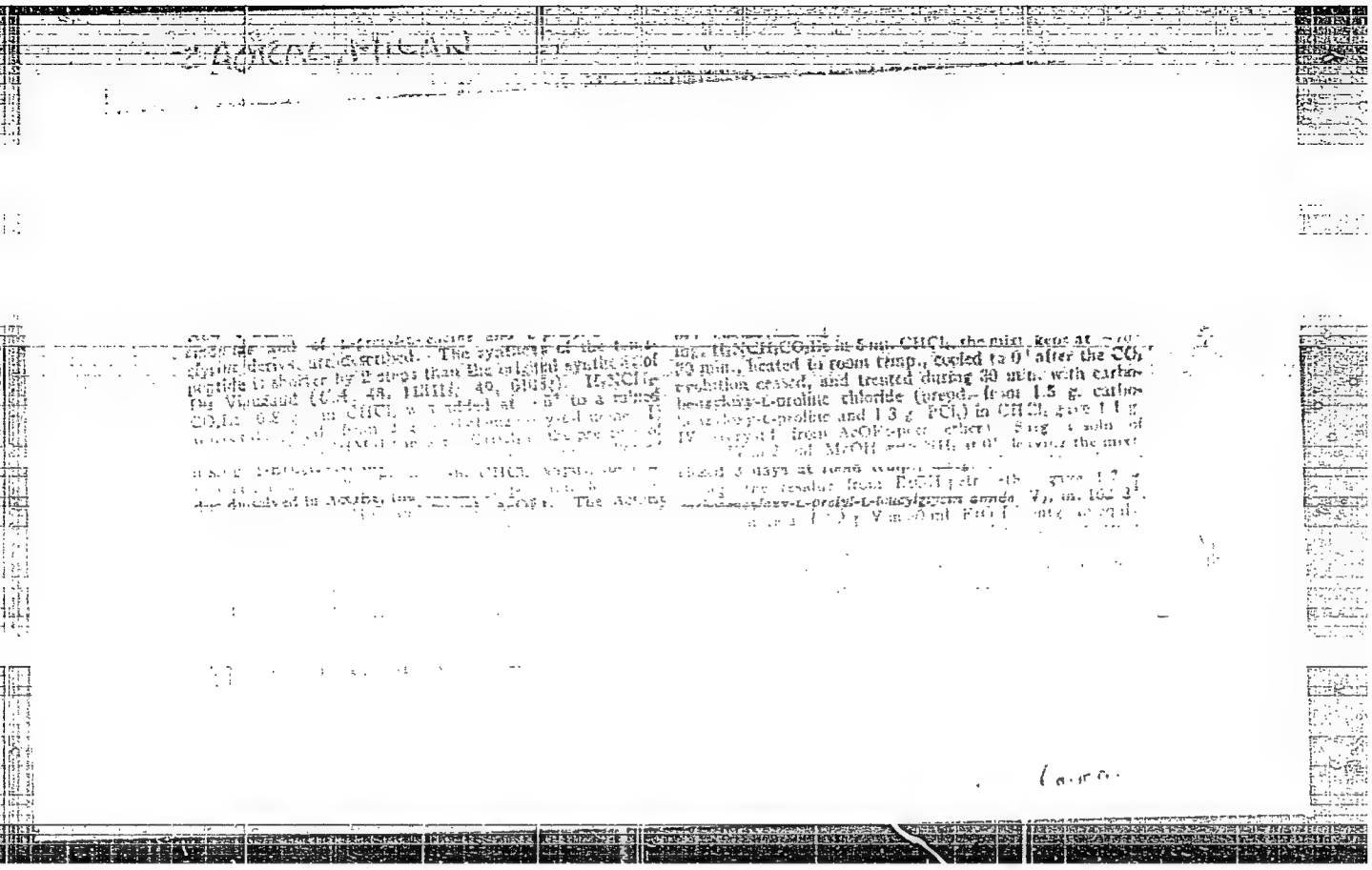
SOURCE: EAST EUROPEAN ACCESSIONSLIST (EEAL) Vol. 6, No. 4, April 1957

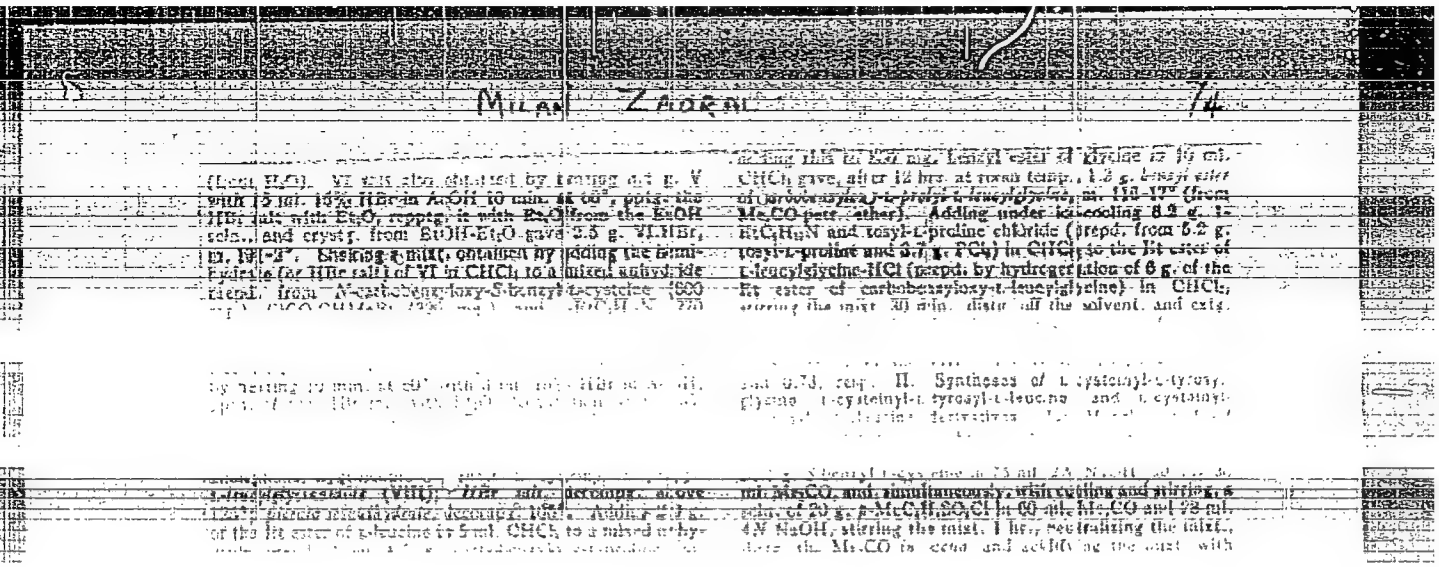
ZAORAL, M.

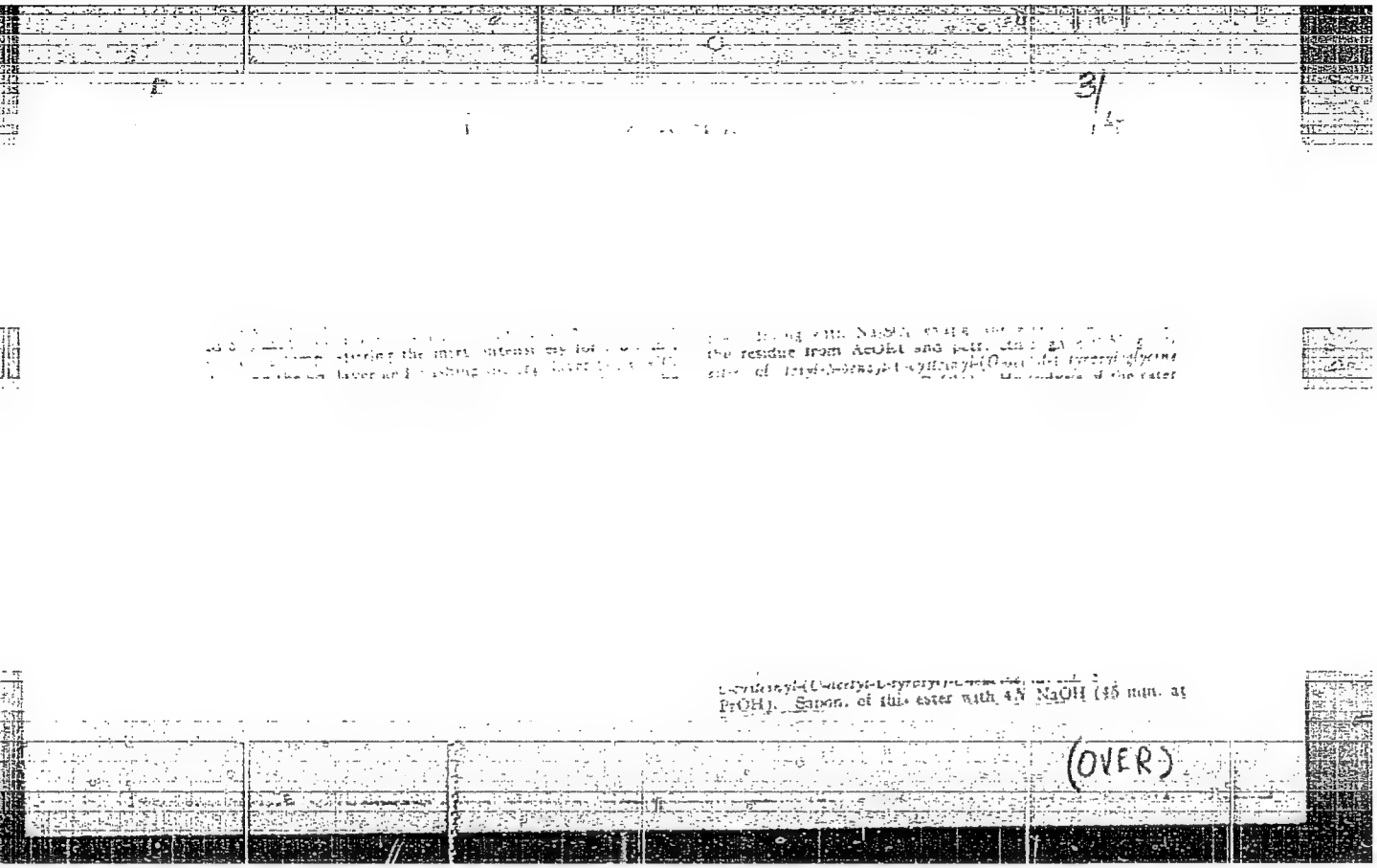
ZAORAL, M. Syntheses in the field of oxytocin. II. Alternative synthesis of oxytocin. p. 288 Vol. 50 no 2 Feb. 1956 CHEMICK LISTY, PRAHA, CZECHOSLOVAKIA

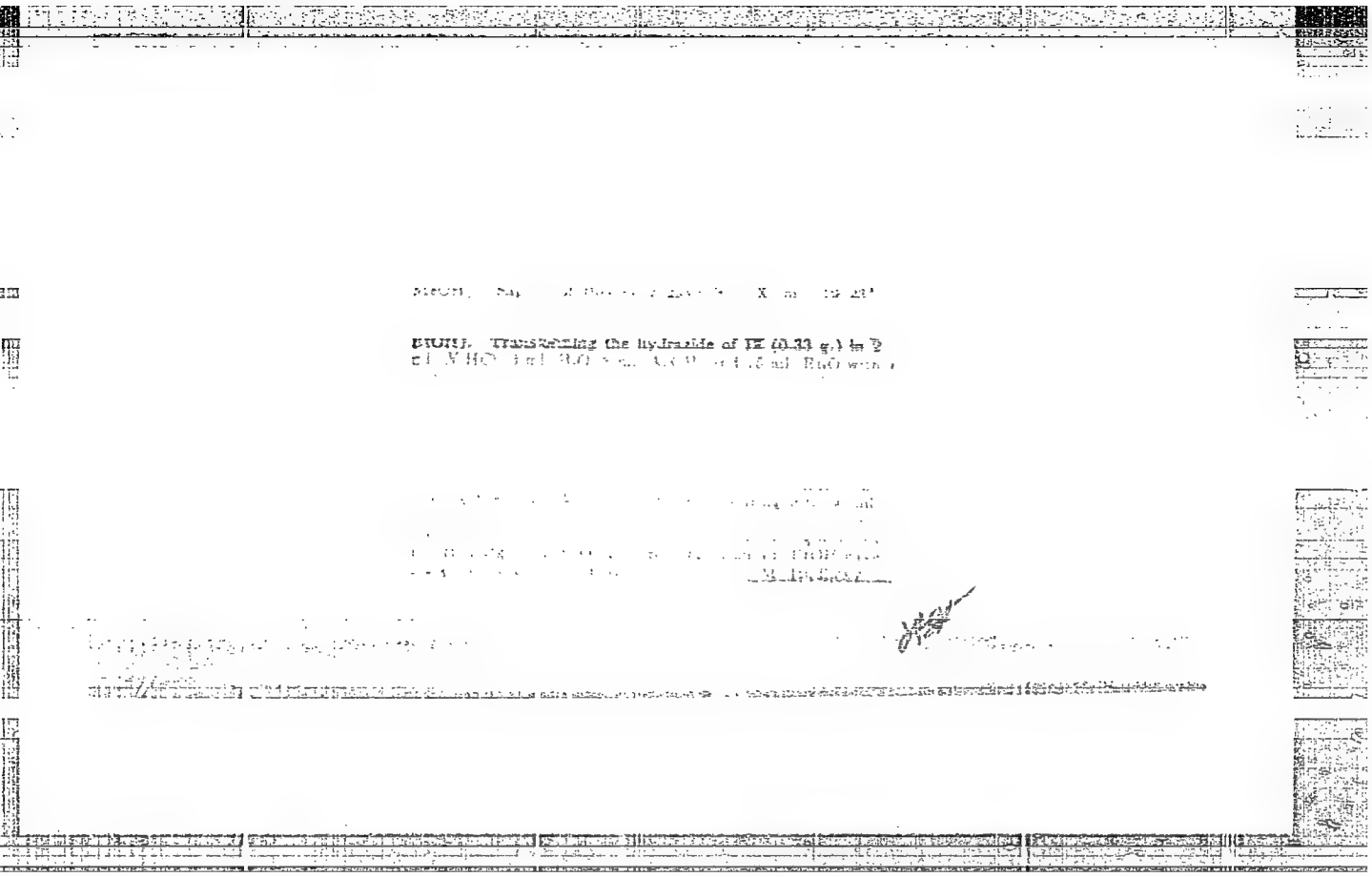
SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4, April 1957











ZAORAL, M; RUDINGER, J.

Synthesis in the field of oxytocin. I. New synthesis of S-benzyl-L-cysteinyl-L-prolyl-L-leucyl-glycinamides, p. 745.

CHECMICKE LISTY (Cheskoslovenska akademic ved. Ceskaslovenska spotlcnost chemicks) Praha, Czechoslovakia., Vol. 49, no. 5, May 1955

Monthly List of East European Accessions EEAI LC, Vol. 9, no. 1, Jan 1960
Uncla.

ZAORALEK, A.; KVETENSKY, J.

Experiences with our modification of Menghini's needle in needle biopsy of the liver. Cesk. gastroent. vyz. 19 no.5: 322-323 Jl '65.

1. Laboratorni oddeleni (vedouci MUDr. A. Zaoralek) a interni oddeleni (vedouci MUDr. J. Kvetensky) vojenske nemocnice v Ruzomberku.

CZECHOSLOVAKIA UDC 612.766.1:616-074

ZAORALEK, A.; KVETENSKY, J.; KLUST, V.; HLAUCO, S.; DOSTALOVA, M.; Laboratory Department (Laboratorni Oddeleni), Head (Vedouci) Dr. A. ZAORALEK; Internal Department (Vnitrni Oddeleni) Head (Vedouci) Dr J. KVETENSKY; Department of Medical Aspects of Sports (Sportovne Lekarske Oddeleni) Head (Vedouci) Dr V. KLUST; Psychiatric Department (Psychiatricke Oddeleni) Head (Vedouci) Dr S. HALUCO, Military Hospital (Vojenske Nemocnice) of the Slovak National Uprising (SNP), Ruzomberok.

"Some Hematological and Biochemical Symptoms Caused by Excessive Exertion"

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 4, Aug 66, pp 152-155

Abstract: Influence of a march of 100 km on 12 healthy subjects was investigated; the absolute number of neutrophil granulocytes increased, and of eosinophils decreased. Non-segmented neutrophils and Rieder's form of lymphocytes increased, blood level of EFA, cholesterol, and the beta fraction of blood proteins decreased. The level of ionorganic P and the activity of serum transaminases increased. 5 Figures, 57 references [not specified].

1/1

CZECHOSLOVAKIA UDC: 612.766.1:612.014.4.9

KVETENSKY, Josef, LtCol, MD; KLUST, Vaclav, LtCol, MD; ZAORALEK, Alois, LtCol, MD; VLCEK, Lubos, MD; HLAUCO, Stanislav, Maj, MD; RUBES, Vaclav

"Effects of a 100-Kilometer Nonstop March on the Human Organism."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 5, Oct 66, pp 194-197

Abstract [Czech, Russian and English summaries, modified]: A brief preliminary evaluation of some changes in the organisms of persons after a 100-km nonstop march. Although in most cases the changes were insignificant, such a march is fatiguing; only physically fit persons should be allowed to participate; check-ups and medical supervision during the march should be mandatory. A tabulated statistical evaluation is presented of the before-and-after dynamometric measurements, vital capacity, blood pressure and pulse rate. Seven Soviet-bloc refs.

1/1

ZAORALEK, FRANTISEK

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application. Part 1. - Safety and Sanitation Techniques. H-6

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21913

Author : Josef Zdrazil, Frantisek Picha, Frantisek Zaoralek
Inst : -
Title : To the Question of Sanitation Problems in Sulfuric Acid Manufacturing.

Orig Pub : Pracovni lekar., 1956, 8, No 1, 11-15

Abstract : At investigations carried out in a Czechoslovakian H_2SO_4 factory, no raised concentration of SO_2 were detected in the air in work premises as a rule; the personnel working in places with a raised SO_2 content in the air is employed only during short periods (equipment repair, putting the equipment into action after repair). Nitrogen and As oxides were detected in the air in concentrations below the permissible as a limit, but As was

Card 1/2

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their Application, Part 1. - Safety and Sanitation Techniques. H-6

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21913

detected in the urine of workers in the duration of 2 days (112 to 150 ✓ per lit) after the cleaning of dust channels, electrostatic chambers and filters and after the transportation of pyrite slops. A high content of Fe_2O_3 dust (2.275 to 4.4 mg per lit) was detected in the air. It is recommended to wear respiratory protecting devices at the repair of equipment, to use special carts for the transportation of carboys with HNO_3, as well as to arrange mechanization and hermetical sealing of dust producing equipment. Bibliography with 6 titles.

Card 2/2

ZHORNIČEK, F.

Impregnation of wood with calcium thioarsenate. F. Pokorný, J. Roubal, V. Sedláček, V. Vaňák, and F. Zhorníček (Ústav hyg. práce, Prague). [illegible] [illegible] 4, 238-41(1954). A 3% aq. soln. of Ca thioarsenate (I) as well as aq. extr. of wood impregnated with I produced severe inflammation of the skin of dogs and rabbits leading to surface necrosis. Approx. 10-35 hrs. after the application of 0.2 ml. of a 3% soln. of I to the skin the dogs excreted 1.2-4.15 mg. As per l. of urine. Hygienic aspects of the technological process of wood impregnation are discussed and preventive measures are suggested.

L. J. Urbánek

TOMASZEWSKA, Hanna; ZAORSKA, Barbara

On familial dwarfism in the light of our cases. Pol. tyg. lek. 19 no.21:783-785 18 My'64

1. Z Oddzialu Endokrynologii Instytutu Matki i Dziecka w Warszawie; ordynator Oddzialu: dr. med. H. Tomaszewska.

MIGDALSKA, Barbara, TOMASZEWSKA, Hanna; ZAORSKA, Barbara

Metopiron test in children with gamilial dwarfism. Pol. tyg. lek. 19 no.25:944-946 15 Je'64

L. Z I Kliniki Chorob Wewnetrznych Studium Doksztalcenia Lekarzy Akademii Medycznej w Warszawie (kierownik: prof. dr. med. W. Hartwig) i z Oddzialu Endokrynologii Instytutu Matki i Dziecka w Warszawie (ordynator Oddzialu: dr. med. H.Tomaszewski).

LEWENFISZ-WOJNAROWSKA, T.; KOLINSKA, M.; ZAORSKA, B.

Electrophoretic studies on serum and urine proteins in children with nephrotic syndromes. Pediat polska 36 no.3:241-250 '61

1. Z II Kliniki Pediatrycznej A.M. w Warszawie Kierownik: prof dr med. T. Lewenfisz-Wojnarowska i z Zakladu Pediatrii Studium Doskonalenia Lekarzy A.M. Kierownik prof. dr med. T. Lewenfisz-Wojnarowska.

(NEPHROTIC SYNDROME in inf & child)
(BLOOD PROTEINS)

2917. AN EPIDEMIC OF ERUPTIO VARICELLIFORMIS KAPOSI CAUSED BY VACCINIA VIRUS - Epidemia Eruptio varicelliformis Kaposi wywolana wirusem krowianki - Zaorska B. Oddz. Chor. Skórno-Wenerycznych dla Dzieci, Szpit. Miejskim Nr 2, Warszawa - POL. TYG. LEK. 1958, 13/52 (2112-2118) Tables 2 Illus. 7

An institutional outbreak among 10 infants, aged 7-11 months, is described. The outbreak was initiated by admission of an infant in whom 'vaccinia inoculata' had previously been diagnosed. The course of the disease was severe, with vesicles remaining for 2 weeks. All cases were treated with antibiotics without satisfactory results. In addition, 3 children were treated with prednisone with unfavourable results. Two cases were fatal.

Anigstein - Galveston, Tex. (L, 7, 13)

ZAORSKA, Barbara (Warszawa, ul. Leszno 15)

Kaposi's varicelliform eruption; report on hospital epidemics. Pediat. polska 33 no.4:455-462 Apr '58.

1. Ze Szpitala Miejskiego Nr 2 w Warszawie. Dyrektor: doc. dr med. B. Michalowski.
(KAPOSI'S VARICELLIFORM ERUPTION, in inf. & child hosp. epidemic (Pol))

ZAORSKA, Barbara (Warszawa, ul. Leszno 15.)

Epidermolysis bullosa hereditaria. Pediat. polska 33 no.8:963-969 Aug 58.

1. Z Oddz. skorno-wenerycznego Szpitala Miejskiego Nr 2 w Warszawie Ordynator: dr med. B. Michalowski.
(EPIDERMOLYSIS BULLOSA, case reports
hered. (Pol))

ZAORSKA, Barbara (Warszawa, ul. Leszno 15.)

Epidemic of Kaposi's varicelliform eruption caused by vaccine virus. Polski tygod. lek. 13 no.52:2112-2118 29 Dec 58.

1. (Z Oddzialu chorob skorno-wenerycznych dla dzieci w Szpitalu Miejskim Nr 2 Warszawie; ordynator: dr med. Bohdan Michalowski)
(KAPOSI'S VARICELLIFORM ERUPTION, etiol. & pathogen.
vaccinia virus causing institutional outbreak in child. (Pol))
(VACCINIA, compl.
Kaposi's varicelliform eruption, institutional outbreak in child. (Pol))

LAWRYNOWICZ, Romuald; IWANOWSKA, Teresa; ZAORSKA, Barbara

Trial of evaluation of the function of the liver in children with eczema. Pediat.polska 34 no.12:1509-1518 D '59.

1. Z Oddzialu Dzieciecego Skorno-Wenerycznego Szpitala Miejskiego nr 2. Ordynator: prof.dr med. B. Michalowski i z Pracowni Analitycznej Szpitala Miejskiego nr 2. Kierownik: dr R. Lawrynowicz.
(LIVER FUNCTION TESTS)
(ECZEMA in infancy & childhood)

LEWENFISZ-WOJNAROWSKA, Teofila; KUBICKA, Krystyna; ZAORSKA, Barbara

Dermatomyositis in children according to own observations. Pediat. polska 35 no.2:137-150 F '60.

1. Z II Kliniki Pediatrycznej A.M. w Warszawie. Kierownik: prof. dr.med. M. Michalowicz. Zastepca Kierownika: prof.dr.med. T. Lewenfisz-Wojnarowska.

(DERMATOMYOSITIS in inf.& child.)

LEWENFISZ-WOJNAROWSKA, Teofila; ZAORSKA, Barbara

Determination of rheumatic processes in children according to trafuryl test results. Pediat.polska 35 no.11:1289-1296 N '60.

1. Z Zakladu Pediatrii Studium Doskonalenia Lekarzy A.M. i z II Kliniki Pediatrycznej A.M. w Warszawie, Kierownik: prof.dr med. T.Lewenfisz-Wojnarowska.

(RHEUMATIC FEVER diag)
(FURANS pharmacol)
(NICOTINIC ACID rel cpds)

KAPUSCINSKA-CZERSKA, Wanda; ZACORSKA, Barbara

A case of encephalitis and myocarditis of unknown etiology.
Pediat.polska 35 no.12:1451-1455 D '60.

1. Z II Kliniki Pediatrycznej A.M. w Warszawie, Kierownik: prof. dr med. T.Lewenfisz-Wojnarowska.
(ENCEPHALITIS in inf & child)
(MYOCARDITIS in inf & child)

LEWENFISZ-WOJNAROWSKA, Teofila; KRUZE, Danuta; SZUKALSKI, Bogdan; ZAORSKA, Barbara

A combined column-paper chromatographic method in the study of urinary amino acids in children with nephrosis. Polski tygod. lek. 16 no.31: 1181-1185 31 Jl '61.

1. Z Zakladu Chemii Ogolnej A.M. w Warszawie; kierownik: prof. dr P. Wierzchowski i z II Kliniki Pediatrycznej A.M. w Warszawie; kierownik: prof. dr med. T. Lewenfisz-Wojnarowska.

(AMINO ACIDS urine) (NEPHROSIS urine)

LEWENFISZ-WOJNAROWSKA, T.; ZAORSKA, B.; GULMANTOWICZ, A.; PILCZARSKA, E.

Immuno-electrophoretic examination of the blood serum and urine from child with nephrosis. Pediat. pol 36 no.11:1129-1138 N '61.

1. Z II Kliniki Pediatryczenej Lekarzy AM w Warszawie z Zakladu Podiatrii Studium Doskonalenia Lekarzy AM w Warszawie Kierownik: prof. dr med. T. Lewenfisz-Wojnarowska i z Zakladu Serologii Instytutu Hematologii w Warszawie Kierownik: dr med. S. Dubiski.
(NEPHROSIS in inf & child) (ELECTROPHORESIS)
(BLOOD PROTEINS) (PROTEINS)

ZADRSKA, Barbara; WOCJAN, Juliusz

A case of precocious puberty caused by glioma of the optic chiasm in a 9-year-old boy. Pol. tyg. lek. 17 no.1:23-26 1 Ja '62.

1. Z Zakladu Pediatrii Studium Doskonalenia Lekarzy AM; kierownik: prof. dr med. T. Lewenfisz-Wojnarowska i z Kliniki Neurochirurgii AM w Warszawie; kierownik: prof. dr med. J. Chorobski.
(GLIOMA in inf & child) (OPTIC NERVE neopl)
(PUBERTY PRECOCIOUS etiol)

MIGDALSKA, Barbara; ZAORSKA, Barbara

Adrenal function tests in obese children. Pol. tyg. lek. 17 no.40: 1542-1545 1 O '62.

1. Z I Kliniki Chorob Wewnetrznych Studium Doskonalenia Lekarzy AM w Warszawie, kierownik: prof. dr med. W. Hartwig i z Pododdzialu Endokrynologii Kliniki Neurologii Instytutu Matki i Dziecka; kierownik: dr med. H. Tomaszewska. Dyrektor Instytutu Matki i Dziecka: prof. dr med. B. Gornicki.
(OBESITY) (ADRENAL CORTEX FUNCTION TESTS)

ZAORSKA, Barbara

(9) 243

Warsaw, Sluzba Zdrowia, vol XIV, No 19(663), 6 May 1962.

1. ''Jubilee Pediatric Meeting,'' Anna [illegible], pp. 1,2.
2. ''To Each According to His Needs - in Health Care,'' Dr. Boguslaw [illegible]; p. 1.
3. ''50 Years of Pravda,'' unsigned; p. 1.
4. ''The Milanowek Plant Leads,'' signed ISZ; p. 1.
5. ''Polish Red Cross Week,'' signed SZ, p. 1.
6. ''Planned Changes in the Organization of the Health Service,'' signed [illegible]; p. 2.
7. ''Legal Problems in Medicine,'' unsigned; p. 2.
8. ''Before the Fifth Congress of Professional Associations,'' signed o; p. 2.
9. ''Doctors discuss a Project for a New Law on Health Resorts,'' signed r; p. 2.
10. ''Obituary: Maria [illegible],'' unsigned; p. 2.
11. ''On the Eve of the Reform of Medical Studies,'' Prof. Dr. S. Daginski; p. 3.
12. ''Dental Ambulance of the American CARE Organization,'' unsigned; p. 3.
13. ''Prof. Wlodzimierz [illegible]: Member of the Brazilian Academy of Medicine,'' Jolanta [illegible]; p. 3.
14. ''Pediatrics in the Congo,'' Dr. Barbara ZAORSKA, from Luluaburg, Congo; p. 3.
15. ''Public Discussion on Medical Specialization,'' St. Dzlewiszek, MD; p. 4.
16. ''The Title: Organizer of the Health Service,'' Dr. St. Schonwalder; p. 4.
17. ''Tenth Anniversary of the Hospital for Accident Surgery,'' Lech [illegible]; p. 4.

ZAORSKA, Barbara

A case of Laurence-Moon-Bardet-Biedl syndrome in an 11-year-old boy. Endokr. pol. 14 no.2:207-212 '63.

1. II Klinika Pediatryczna AM w Warszawie Zaklad Pediatrii Studium Doskonalenia Lekarzy Kierownik: prof. dr T. Lewenfisz-Wojnarowska.
(LAURENCE-MOON-BIEDL SYNDROME)

JABLONSKA, Stefania; LEWENFISZ-WOJNAROWSKA, Teofila; MILEWSKI, Boguslaw; ZAORSKA, Barbara

Evaluation of changes in apparently normal skin in children with rheumatic disease. Reumatologia Polska no.3:229-241 '60.

1. Z II Kliniki Chorob Dziecicych AM w Warszawie Kierownik: prof. dr med. Mieczyslaw Michalowicz Zastepca kierownika: prof. dr med. Teofila Lewenfisz-Wojnarowska Z Kliniki Dermatologicznej AM w Warszawie Kierownik: prof. dr med. Stefania Jablonska
(RHEUMATIC FEVER pathol)
(SKIN pathol)

LEWENFISZ-WOJNAROWSKA, Teofila; JABLONSKA, Stefania; ZAORSKA, Barbara

Evaluation of the dynamics of cutaneous changes under the influence of therapy of children with rheumatic disease. Pediat.polska 35 no.9:1061-1074 S '60.

1. Z II Kliniki Pediatrycznej A.M. w Warszawie Kierownik: prof. dr med. T.Lewenfisz-Wojnarowska i z Kliniki Dermatologicznej A.M. w Warszawie Kierownik: prof. dr med. S.Jablonska.
(RHEUMATIC FEVER ther)
(SKIN physiol)

ZAORSKA, Barbara; KWIATKOWSKA, Wieslawa

Clinical picture of histiocytosis X on the basis of observed cases. Pediat. Pol. 40 no.7:713-720 Jl '65.

1. Z Kliniki Onkologii Dzieciecej Instytutu Matki i Dziecka (Kierownik: doc. dr. med. J. Bozek; Dyrektor: prof. dr. med. B. Gornicki).

RADAS, Walentyna; ZAORSKA, Barbara

Mediastinal tumor associated with post-irradiation pneumonia with the presence of hyaline membranes in a 9-year-old boy. Pediat. Pol. 40 no.9:995-998 S '65.

1. Z Kliniki Onkologii Dziecicej (Kierownik: doc. dr. med. J. Bozek) i z Zakladu Anatomii Patologicznej (Kierownik: lek. K. Borowiczowa) Instytutu Matki i Dziecka w Warszawie (Dyrektor: prof. dr. med. B. Gornicki).

ZAORSKA, H.

Tourist biscuits and chocolate bars of full nutritive value. p. 197.
(PRZEMYSL SPOZYWCZY. Vol. 10, no. 5, May 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957. Uncl.

HELENA ZAORSKA

POLAND / Chemical Technology, Chemical Products and Their Application. Part 3 - Carbohydrates and Their Treatment. H-25

Abs Jour : Ref. Zhur. Khimiya, No 4, 1958, 12736.

Author : Stanislaw Zagrodski, Helena Zaorska.

Inst : Not given

Title : Determination of Calcium Salt Content in Sugar Juices by Simplified Versenate Method.

Orig Pub : Gaz. cukrown., 1956, 38, No 11, 282 - 284.

Abstract : A simplified method with less reagents. A table of direct calcium salt contents in mg of CaO per 100°Br for a rapid determination of the optimum alkalinity of a 2nd saturation juice.

Card 1/1

POLAND / Chemical Technology. Chemical Products and Their Applications. Carbohydrates and Their Processing. H

Abs Jour: Ref Zhur-Khimiya, 1959, No 4, 13402.

Author : Zagrodzki, Stanislaw; Dobrzycki, Jan; Zaorska, Helena.
Inst : Not given.
Title : Investigation of the Functioning of the Continuous-Process Diffuser Appliance of the "Ol'ye" System.

Orig Pub: Gaz. cukrown., 1958, 40, No 3, 71-77.

Abstract: On the basis of measurements made, the dosage, course of diffusion, quality of juice (rate, microbiological evaluation, pH), corrosion of the apparatus are described. Material and heat equilibria are cited, as well as data characterizing the hydraulic resistances. On the whole,

Card 1/2

ZAGORSKA, H.; ZAGHODZKI, S.

Determination of sugar losses in lime cake.
p. 259.

CHEMIA ANALITYCZNA. (Komisja Analityczna Polskie Akademii Nauk i Naczelna Organizacja Techniczna) Warszawa. Poland. Vol. 4, No. 2, 1959.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 8, August 1959
Uncla.

COUNTRY:	:	Poland
CATEGORY	:	
ABS. JOUR.	:	RZKhim., No. 22 1959, No. 80027
AUTHOR	:	Zagrodzki, S. and Zacrska, H.
INST.	:	Not given
TITLE	:	The Automatic Regulation of the Carbonation Process
ORIG. PUB.	:	Gaz Cukrown, 61, No 1, 8-11 (1959)
ABSTRACT	:	The authors recommend that the automatic regulation of the first carbonation be carried out in accordance with the pH of the juice to be carbonated. In order to improve the effectiveness of the introduction of automatic controls, it is desirable that the defecation, CO_2 feed, and juice feed be also automatically controlled. Examples of the automation of the first carbonation are given. The authors recommend that the second carbonation be controlled automatically not only in

II-26

CARD: 1/2

GDR / Chemical Technology. Chemical Products and Their Application. (Part 1) Conditioning of Water. Waste Water. H

Abs Jour : Ref Zhur - Khimiya, No 10, 1959, No. 35321

Author : Zagrodzki, Stanislaw; Zacrska, Helena
Inst : Not given
Title : Determination of Low Salt Content in Purified Water for Boiler Feeding

Orig Pub : Chem. Techn., 1958, 10, No 4, 210-212

Abstract : The flame photometric method, permitting continuous supervision, is considered as the most promising method. It is indispensable to ensure a continuous inflow of the sample and a constant pressure of gas in the burner when using regular flame photometers with monochromators or with a corresponding set of light filters. It is possible to use a preliminary concentration of samples to increase the sensitivity of measurements. It is shown

Card 1/2

POLAND / Chemical Technology. Chemical Products and Their Application. (Part 1) Conditioning of Water. Waste Water. H

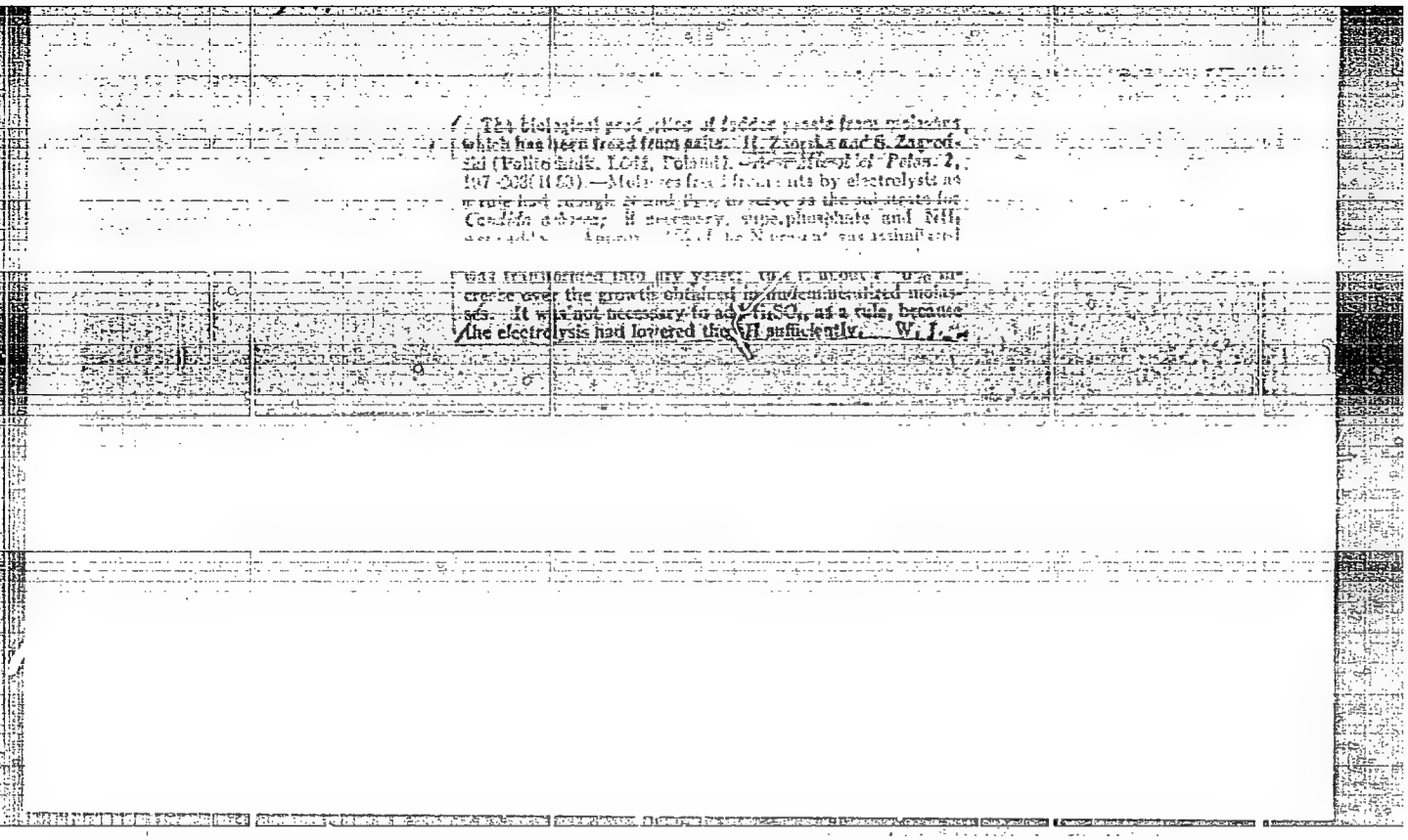
Abs Jour : Ref Zhur - Khimiya, No 10, 1959, No. 35322

Author : Zagrodzki, S.; Zacrska, H.
Inst : Not given
Title : Determination of Low Salt Content in Purified Water for Boiler Feeding

Orig Pub : Przem. spozywczy, 1958, 12, No 8, 318-319

Abstract : No abstract given. A brief account. See preceding abstract No. 35321

Card 1/1



KABAT, Antonin; PACHNER, Petr; ZAORALEK, Jaroslav

Energy output in certain types of work in mines. Pracovni lek 6 no.2:73-87 Ap '54. (KRAL 3:8)

1. Z Oddeleni hygieny prace a nemoci z povolani KHES v Ostrave, vedouci oddeleni Dr Petr Pachner.

(ENERGY, *output by miners) (MINING, *energy output by miners)

ZAORSKA, Helena

2

Removal of sugar from the first saturation mud by pure water and by the water from the sugar extraction process. Stanisław Zagrodzki and Helena Zaorska. *Gaz. Cukrownicza* 57, 177–9(1955).—The diffusion water from the sugar extn. process brought to pH 10.8–11.0 by the addn. of 0.06% CaO, can be successfully used for the sugar removal from the 1st satn. mud. The sugar exts. obtained were cleaner than in the case of the water extn., although there were no differences in the color of the exts. B. W.

ZAORSKA, Helena

Spectrophotometric determination of sodium, potassium, and calcium as an element of automatic regulation of some sugaring processes. Wiad chem 16 no.10:629-631 O '62.

1. Katedra Cukrownictwa i Technologii Srodkow Spozywczych, Politechnika, Lodz.

ZAORSKA H.

ZAORSKA H. New kinds of dry food rations p. 16
TURYSTA, WARSZAWA, Poland
Vol. 21. No. 12 Dec. 1955

SOURCE: East European Accessions List (EEAL) Vol. 5 No. 6 June 1956

ZGÓRSKA, HELENA

7

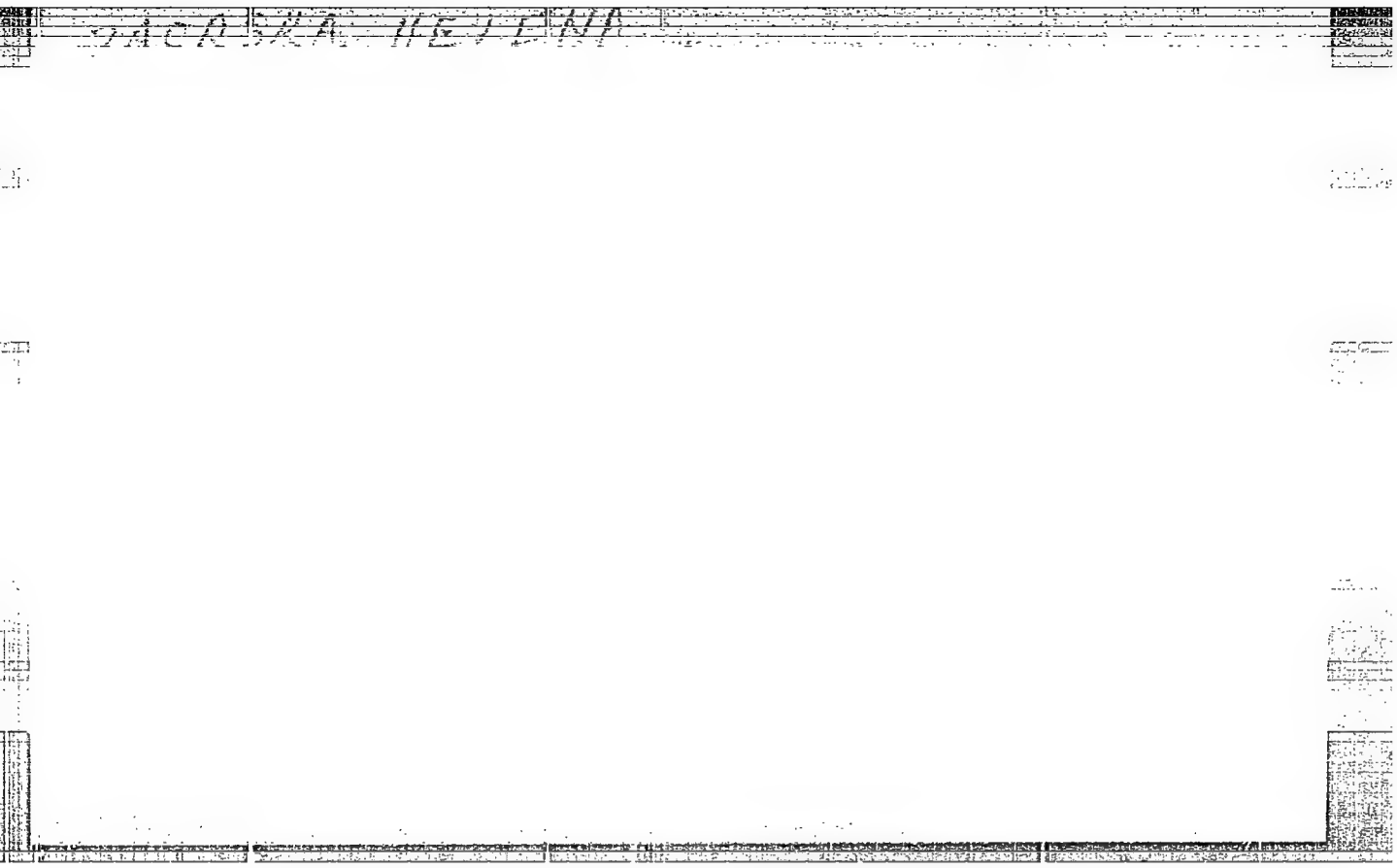
ZAORSKA, H.

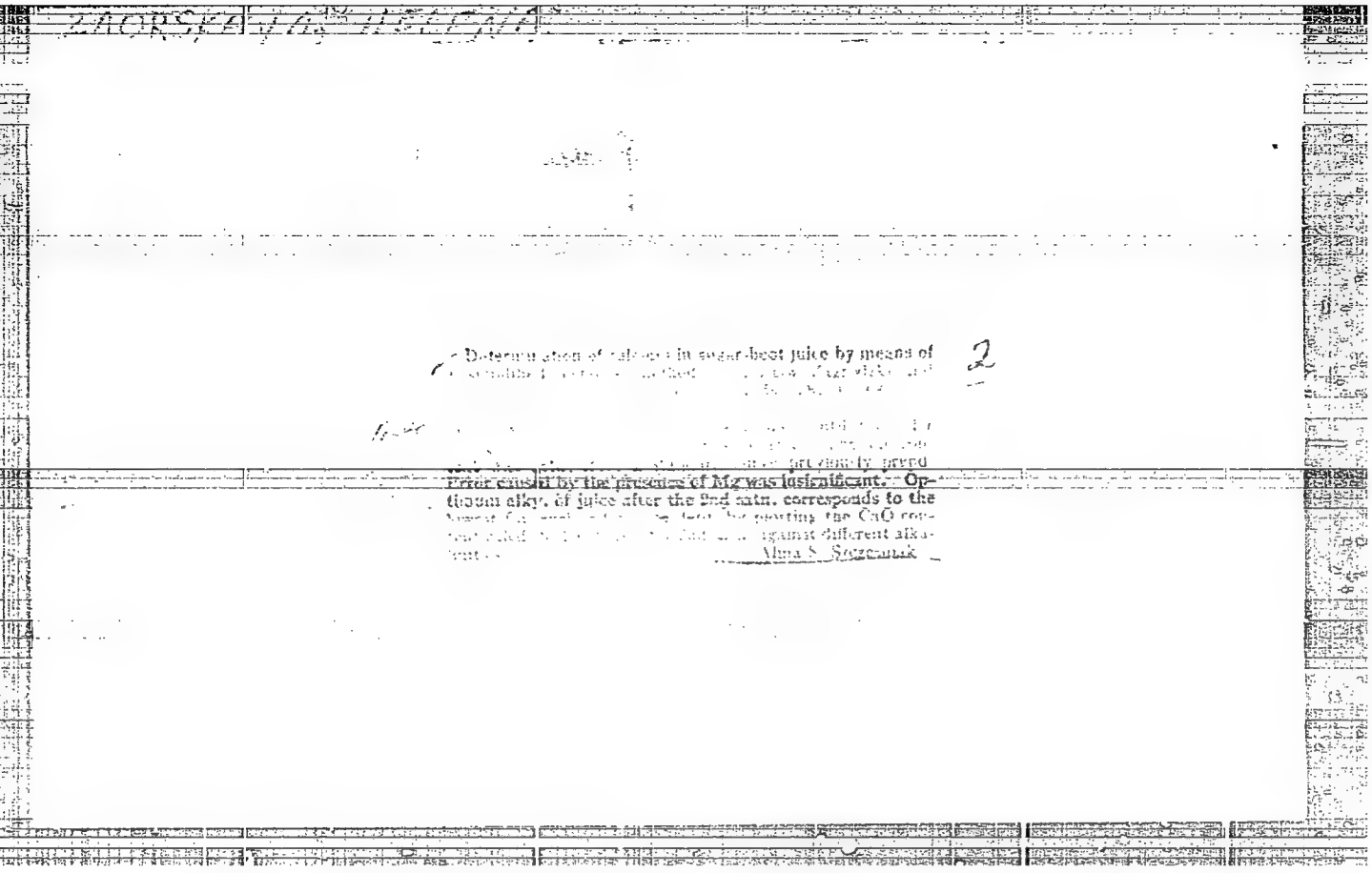
/4339 537812 2

Laboratoryjne badania ... Przemysl [illegible]

Experiments to determine the relation between viscosity and the amount of dry substances. The investigations were also concerned with the rise in boiling point, heat transfer coefficient, and rate of increase of deposit on heating surfaces in relation to the content of dry substances. It was established that the heat coefficient increases in relation to the thickness of the sediment. It was also established that after evaporation of [illegible] litres of water from each square metre of the heating surface, [illegible] [illegible] trapped by the vapours. [illegible]

[illegible] reduce loss to a minimum. When inspissated slowly and at a high temperature gives a dark concentrate, the product is inferior and the yield is reduced. Rapid concentration [illegible] temperature of 70°C. gives white lactose and a good yield.





Determination of calcium in sugar-beet juice by means of

2

previously prepd

Error caused by the presence of Mg was insignificant. Optimum alky. of juice after the 2nd satn. corresponds to the

by plotting the CaO con-

against different alka-

Alma S. Stezenatsk

Zaorska, H.

POLAND / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10366

Author : Zagrodski, S. and Zaorska, H.
Inst : Not given
Title : Laboratory Experiments on the Coagulation of Milk Serum

Orig Pub : Przem. spozywczy, 1956, Vol 10, No 3, 121-125

Abstract : The effect of the solids content of milk serum on the viscosity, boiling point increase, and coefficient of thermal conductivity has been investigated. The experiments have confirmed the dependence of the increase in the boiling point on the thickness of the deposit on the heating surfaces. It has been established that after the coagulation of 1,600 litres of serum per m^2 of heating surface, a fourfold reduction in the heat conductivity is observed. Strong

Card : 1/2

POLAND / Chemical Technology. Chemical Products and Their Application. Food Industry. I-30

Abs Jour : Ref Zhur - Khimiya, No 3, 1957, No 10366

Abstract : foaming of the serum leads to large milk sugar losses. Small changes in the vacuum likewise increase the sugar losses. The slow coagulation of milk serum at elevated temperatures yields a dark milk sugar of low quality and in small yields. The rapid coagulation of the serum at 70° yields a white milk sugar in high yield.

Card : 2/2

ZACHWIA, H.

Draft of the automatic regulation of the 2d saturation in sugar factories. p, 93.

ROCZNIKI TECHNOLOGII I CHEMII ZYWNOSCI. ANNALS OF FOOD TECHNOLOGY AND CHEMISTRY. (Polska Akademis Nauk. Komitet Technologii i Chemii Zywnosci) Warszawa, Poland. Vol. 3, 1958.

Monthly List of East European accession (EEAI), LC. Vol. 8, No, 9, September, 1959. Uncl.

ZAGRODZKI, Stanislaw; ZAORSKA, Helena

Separation of non-sugars from molasses by means of ion exchangers.
Rocz tech chem zywn 8:5-18 '61.

1. Katedra Cukrownictwa i Technologii Srodkow Spozywczych, Politechnika, Lodz. Kierownik: prof.dr.Stanislaw Zagrodzki.

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Production of potash and fodder concentrates from molasses slops by means of ion exchangers. Rocz tech chem zywn 8:141-160 '61.

1. Katedra Cukrownictwa i Technologii Srodkow Spozywczych, Politechnika, Lodz. Kierownik Katedry: prof.dr. Stanislaw Zagrodzki.

JEDRZEJEWSKI, Roman; ZAORSKI, Andrzej

So-called idiopathic hypoproteinemia. Pol. tyg. lek. 19 no.42: 1617-1618 19 O '64

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie (kierownik: prof. dr. med. J. Nielubowicz).

ZAORSKAYA, Ye.

ZAGRODSKIY, S.; ZAORSKAYA, Ye.

Complexometric analysis for determining calcium salts in sugar juices. Sakh.prom. 30 no.9:61-62 S '56. (MLRA 10:3)

1. Kafedra sakharovareniya i pishchevykh proizvodstv Lodzinskogo politekhnikuma (Pol'sha)
(Calcium salts) (Sugar--Analysis and testing)

ZAORSKI, Andrzej

Colonic diverticulitis and diverticulosis. Pol. tyg. lek. 19 no.40:1531-1533 5 O '64

1. Z I Kliniki Chorob Chirurgicznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. Jan Nielubowicz).

ZAORSKI, Andrzej

Cancer of the duodenum. Pol. tyg. lek. 19 no.22:842-843
25 My'64

1. Z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie;
kierownik: prof. dr.med. Jan Nielubowicz.

ZUREK, Witold; ZAORSKI, Michal; STANISZKIS, Olgierd; NISKIEWICZ, Jan

Studies on the laboratory method of determining the yield of scoured wool. Przegl wlokien 18 no.1:5-10 Ja'64

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Przegl wlokien 16 no.5:301-302 My '62.

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677.019 : 677.31 : 339.6

3881

Zaorski M. Principles of Rational Classification of Wool on the Basis of Technological Fitness.

„Zasady racjonalnej klasyfikacji wełny na podstawie jej przydatności technologicznej". (Prace Inst. Włókien. No. 13), Warszawa, 1954, WPLiS, 9 pp., 6 tabs.

Wool classification criteria and the problems of a standard international classification are discussed in such a way as to demonstrate the necessity of producing a uniform classification system. Adopted as a basic criterion was the suitability of the wool for producing by a given system yarn of a number typical for the thickness, length of the fibre. After an analysis of the better known classification systems, and the results of author's own investigations over the appropriate properties of the fibre, a new classification system meeting the requirements of Polish mills was produced. This is based on the relative indexes of 12 and 4 thickness-assortments of uniform and mixed wool respectively, these being divided again into particular spinning classes.

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677.31.021/.022(51)

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Burno S., Neubart S., Wasiak F., Zaorski M. Characteristics and Technology of Spinning Sining-Type Chinese Wool by Combing and Carding Methods.

„Charakterystyka i technologia przędzenia sposobem czesankowym i zgrzebnym wełny chińskiej typu Sining". (Prace Inst. Włókien., No. 13), Warszawa, 1954, WPLiS, 9, pp. 3 figs., 35 tabs.

Studies were carried out to determine the spinning properties of Sining type Chinese wool. Organotechnical and laboratorial evaluation of the wool served as a basis for the elaboration of mixtures and spinning plans. Results of tests have demonstrated that Sining wool admixed with artificial fibres is fit for spining by the English combing method up to No. 48/2, and without admixture up to No. 30/2. The results are better than those obtained abroad. It was established that by the carding method yarns Nos. 6.5 — 14, for the production of overcoat-fabrics and blankets, can be obtained from Sining wool admixed with other fibres.

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